

# 15k-22k psi for 3"-12" Pipes

## The RAPTOR™ - 2D Nozzles w/ 60 gpm

### Raptor™ Nozzle with Optional Heads



The **Raptor™** is a 2-D self-rotating workhorse for either 15k or 22k psi. It's perfect for cleaning process drains, totes, closed head drums, water well screens, ducts and exhaust stacks. Used with the centralizers shown below it will clean pipes from 3" to 12" in diameter, and can handle straight tubes as tight as 2.25" in diameter. The **Raptor™** uses viscous fluid rotation speed control and operates with 2, 4 or 6 jets in balance.



- **Rotation speed control**
- **Replaceable tips & seals**
- **Centralizers up to 12"**
- **2, 4, or 6 jets in balance**
- **Optional 15° boring head**

PIPE CLEANING

### Raptor™ Specifications

MODEL	Raptor™	
Maximum Pressure	22k psi	1500 bar
Rotation Rate		
Fast	50-250 rpm	
Slow	15-60 rpm	
Maximum Flow	60 gpm	230 lpm
Flow Rating	2.3 Cv	
Weight (w/o Head)	4.2 lbs	1.9 kg
Head Diameter		
<b>RPT 043-P2-6</b>	2.0 in.	51 mm
<b>RPT 044-P4-6</b>	2.5 in.	64 mm
Length	9.5 in.	240 mm
Inlet Port	1/2 npt or 9/16 MP	
Outlet Ports	1/8 npt & 1/4 npt	

### Available Options

There are two inlet connections available: 1/2" npt for 15k psi, and 9/16 MP for 22k psi. There are also two standard 6-jet heads with different diameters and a third head option featuring a boring jet for unplugging at 15° off-center in the front. All are made of durable stainless steel and use replaceable high pressure seals and nozzle tips.

We recommend using a centralizer to keep the head from rubbing against the cleaning surface. The **RPT 075** is a solid plastic skid centralizer available in 3" or 4.5" diameters. The **RPT 070**, for larger pipes, uses steel collars and replaceable plastic skids to fit 4" to 12" diameters.

### Centralizers



**RPT 075 Centralizer**

**RPT 075** for 3" or 4.5" pipes.



**RPT 070 Centralizer**

**RPT 070** is available for 4", 5", 6", 8" and 12" pipes.

		FLOWS		
	Head Offset	R30	R18	R11
PRESSURE	5k psi	10-23 gpm	16-38 gpm	25-60 gpm
	10k psi	10-18 gpm	15-31 gpm	25-51 gpm
	15k psi	10-17 gpm	16-28 gpm	26-47 gpm
	22k psi	10-16 gpm	17-26 gpm	27-43 gpm